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#2

RAW SEQUENCE LISTING
 PATENT APPLICATION: US/10/056,414

DATE: 02/07/2002
 TIME: 11:10:30

Input Set : N:\Crf3\RULE60\10056414.raw
 Output Set: N:\CRF3\02072002\J056414.raw

SEQUENCE LISTING

3 (1) GENERAL INFORMATION:

7 (i) APPLICANT: Stinchcomb, Dan T.
 8 Draper, Kenneth G.
 9 McSwiggen, James

13 (ii) TITLE OF INVENTION: RIBOZYME TREATMENT OF
 14 DISEASES OR CONDITIONS
 15 RELATED TO LEVELS OF
 16 NF-KB

20 (iii) NUMBER OF SEQUENCES: 830

23 (iv) CORRESPONDENCE ADDRESS:
 25 (A) ADDRESSEE: Lyon & Lyon
 26 (B) STREET: 633 West Fifth Street
 27 Suite 4700
 28 (C) CITY: Los Angeles
 29 (D) STATE: California
 30 (E) COUNTRY: U.S.A.
 31 (F) ZIP: 90071-2066

34 (v) COMPUTER READABLE FORM:

36 (A) MEDIUM TYPE: 3.5" Diskette, 1.44 Mb
 37 storage
 38 (B) COMPUTER: IBM Compatible
 39 (C) OPERATING SYSTEM: IBM P.C. DOS 5.0
 40 (D) SOFTWARE: Word Perfect 5.1

43 (vi) CURRENT APPLICATION DATA:

C--> 45 (A) APPLICATION NUMBER: US/10/056,414
 C--> 46 (B) FILING DATE: 23-Jan-2002
 47 (C) CLASSIFICATION:

50 (vii) PRIOR APPLICATION DATA:

53 (A) APPLICATION NUMBER: US/08/291,932A
 54 (B) FILING DATE: August 15, 1994
 56 (A) APPLICATION NUMBER: 08/245,466
 57 (B) FILING DATE: May 18, 1994
 59 (A) APPLICATION NUMBER: 07/987,132
 60 (B) FILING DATE: December 7, 1992

63 (viii) ATTORNEY/AGENT INFORMATION:

65 (A) NAME: Warburg, Richard J.
 66 (B) REGISTRATION NUMBER: 32,327
 67 (C) REFERENCE/DOCKET NUMBER: 208/157

71 (ix) TELECOMMUNICATION INFORMATION:

73 (A) TELEPHONE: (213) 489-1600
 74 (B) TELEFAX: (213) 955-0440
 75 (C) TELEX: 67-3510

ENTERED

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79 (2) INFORMATION FOR SEQ ID NO: 1:
81 (i) SEQUENCE CHARACTERISTICS:
83 (A) LENGTH: 11
84 (B) TYPE: nucleic acid
85 (C) STRANDEDNESS: single
86 (D) TOPOLOGY: linear
88 (ix) FEATURE:
90 (D) OTHER INFORMATION: The letter "N" stands for
91 any base. "H" represents
92 nucleotide C, A, or U.
94 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 1:
96 NNNNUHNNNN N 11
100 (2) INFORMATION FOR SEQ ID NO: 2:
102 (i) SEQUENCE CHARACTERISTICS:
104 (A) LENGTH: 32
105 (B) TYPE: nucleic acid
106 (C) STRANDEDNESS: single
107 (D) TOPOLOGY: linear
109 (ix) FEATURE:
111 (D) OTHER INFORMATION: The letter "N" stands for
112 any base.
114 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 2:
116 NNNNNCUGAN GAGNNNNNNN NNNCGAAANN NN 32
120 (2) INFORMATION FOR SEQ ID NO: 3:
122 (i) SEQUENCE CHARACTERISTICS:
124 (A) LENGTH: 14
125 (B) TYPE: nucleic acid
126 (C) STRANDEDNESS: single
127 (D) TOPOLOGY: linear
129 (ix) FEATURE:
131 (D) OTHER INFORMATION: The letter "N" stands for
132 any base.
134 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 3:
136 NNNNNNGUCNN NNNN 14
142 (2) INFORMATION FOR SEQ ID NO: 4:
144 (i) SEQUENCE CHARACTERISTICS:
146 (A) LENGTH: 50
147 (B) TYPE: nucleic acid
148 (C) STRANDEDNESS: single
149 (D) TOPOLOGY: linear
151 (ix) FEATURE:
153 (D) OTHER INFORMATION: The letter "N" stands for
154 any base.
156 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 4:
158 NNNNNNAGAA NNNNACCAAGA GAAACACACG UUGUGGUUA UUACCUGGUA 50
162 (2) INFORMATION FOR SEQ ID NO: 5:
164 (i) SEQUENCE CHARACTERISTICS:
166 (A) LENGTH: 85
167 (B) TYPE: nucleic acid

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168 (C) STRANDEDNESS: single
 169 (D) TOPOLOGY: linear
 171 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 5:
 173 UGGCCGGCAU GGUCCCAGCC UCCUCGCUGG CGCCGGCUGG GCAACAUUCC GAGGGGACCG 60
 174 UCCCCUCGGU AAUGGCGAAU GGGAC 85
 178 (2) INFORMATION FOR SEQ ID NO: 6:
 180 (i) SEQUENCE CHARACTERISTICS:
 182 (A) LENGTH: 176
 183 (B) TYPE: nucleic acid
 184 (C) STRANDEDNESS: single
 185 (D) TOPOLOGY: linear
 187 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 6:
 189 GGGAAAGCUU GCGAAGGGCG UCGUCGCCCG GAGCGGUAGU AAGCAGGGAA CUCACCUCCA 60
 190 AUUUCAGUAC UGAAAUUUGUC GUAGCAGUUG ACUACUGUUA UGUGAUUGGU AGAGGCUAAG 120
 191 UGACGGUAUU GGCGUAAGUC AGUAUUGCAG CACAGCACAA GCCCGCUUGC GAGAAU 176
 195 (2) INFORMATION FOR SEQ ID NO: 7:
 197 (i) SEQUENCE CHARACTERISTICS:
 199 (A) LENGTH: 15 base pairs
 200 (B) TYPE: nucleic acid
 201 (C) STRANDEDNESS: single
 202 (D) TOPOLOGY: linear
 204 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 7:
 206 AAUGGUACACA CAGGA 15
 212 (2) INFORMATION FOR SEQ ID NO: 8:
 214 (i) SEQUENCE CHARACTERISTICS:
 216 (A) LENGTH: 15 base pairs
 217 (B) TYPE: nucleic acid
 218 (C) STRANDEDNESS: single
 219 (D) TOPOLOGY: linear
 221 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 8:
 223 AGCUCCUACG UGGUG 15
 226 (2) INFORMATION FOR SEQ ID NO: 9:
 228 (i) SEQUENCE CHARACTERISTICS:
 230 (A) LENGTH: 15 base pairs
 231 (B) TYPE: nucleic acid
 232 (C) STRANDEDNESS: single
 233 (D) TOPOLOGY: linear
 235 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 9:
 237 CCUCCAUUGC GGACA 15
 240 (2) INFORMATION FOR SEQ ID NO: 10:
 242 (i) SEQUENCE CHARACTERISTICS:
 244 (A) LENGTH: 15 base pairs
 245 (B) TYPE: nucleic acid
 246 (C) STRANDEDNESS: single
 247 (D) TOPOLOGY: linear
 249 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 10:
 251 GAUCUGUUUC CCCUC 15
 254 (2) INFORMATION FOR SEQ ID NO: 11:
 256 (i) SEQUENCE CHARACTERISTICS:

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258 (A) LENGTH: 15 base pairs
259 (B) TYPE: nucleic acid
260 (C) STRANDEDNESS: single
261 (D) TOPOLOGY: linear
263 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 11:
265 AUCUGUUUCC CCUCA
268 (2) INFORMATION FOR SEQ ID NO: 12:
270 (i) SEQUENCE CHARACTERISTICS:
272 (A) LENGTH: 15 base pairs
273 (B) TYPE: nucleic acid
274 (C) STRANDEDNESS: single
275 (D) TOPOLOGY: linear
277 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 12:
279 UUCCCCCUAU CUUUC
282 (2) INFORMATION FOR SEQ ID NO: 13:
284 (i) SEQUENCE CHARACTERISTICS:
286 (A) LENGTH: 15 base pairs
287 (B) TYPE: nucleic acid
288 (C) STRANDEDNESS: single
289 (D) TOPOLOGY: linear
291 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 13:
293 CCCUCAUCUU UCCCU
296 (2) INFORMATION FOR SEQ ID NO: 14:
298 (i) SEQUENCE CHARACTERISTICS:
300 (A) LENGTH: 15 base pairs
301 (B) TYPE: nucleic acid
302 (C) STRANDEDNESS: single
303 (D) TOPOLOGY: linear
305 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 14:
307 CUCAUCUUUC CCUCA
310 (2) INFORMATION FOR SEQ ID NO: 15:
312 (i) SEQUENCE CHARACTERISTICS:
314 (A) LENGTH: 15 base pairs
315 (B) TYPE: nucleic acid
316 (C) STRANDEDNESS: single
317 (D) TOPOLOGY: linear
319 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 15:
321 UCAUCUUUCC CUCAG
324 (2) INFORMATION FOR SEQ ID NO: 16:
326 (i) SEQUENCE CHARACTERISTICS:
328 (A) LENGTH: 15 base pairs
329 (B) TYPE: nucleic acid
330 (C) STRANDEDNESS: single
331 (D) TOPOLOGY: linear
333 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 16:
335 CAGGCUUCUG GGCCU
338 (2) INFORMATION FOR SEQ ID NO: 17:
340 (i) SEQUENCE CHARACTERISTICS:
342 (A) LENGTH: 15 base pairs

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343 (B) TYPE: nucleic acid
344 (C) STRANDEDNESS: single
345 (D) TOPOLOGY: linear
347 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 17:
349 GGGCCUUAUG UGGAG 15
352 (2) INFORMATION FOR SEQ ID NO: 18:
354 (i) SEQUENCE CHARACTERISTICS:
356 (A) LENGTH: 15 base pairs
357 (B) TYPE: nucleic acid
358 (C) STRANDEDNESS: single
359 (D) TOPOLOGY: linear
361 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 18:
363 UGGAGAUCAU CGAAC 15
366 (2) INFORMATION FOR SEQ ID NO: 19:
368 (i) SEQUENCE CHARACTERISTICS:
370 (A) LENGTH: 15 base pairs
371 (B) TYPE: nucleic acid
372 (C) STRANDEDNESS: single
373 (D) TOPOLOGY: linear
375 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 19:
377 AGAUCAUCGA ACAGC 15
380 (2) INFORMATION FOR SEQ ID NO: 20:
382 (i) SEQUENCE CHARACTERISTICS:
384 (A) LENGTH: 15 base pairs
385 (B) TYPE: nucleic acid
386 (C) STRANDEDNESS: single
387 (D) TOPOLOGY: linear
389 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 20:
391 AUGCGAUUCC GCUAU 15
394 (2) INFORMATION FOR SEQ ID NO: 21:
396 (i) SEQUENCE CHARACTERISTICS:
398 (A) LENGTH: 15 base pairs
399 (B) TYPE: nucleic acid
400 (C) STRANDEDNESS: single
401 (D) TOPOLOGY: linear
403 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 21:
405 UGCGAUCCG CUAUA 15
408 (2) INFORMATION FOR SEQ ID NO: 22:
410 (i) SEQUENCE CHARACTERISTICS:
412 (A) LENGTH: 15 base pairs
413 (B) TYPE: nucleic acid
414 (C) STRANDEDNESS: single
415 (D) TOPOLOGY: linear
417 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 22:
419 UUCCGCUAUA AAUGC 15
422 (2) INFORMATION FOR SEQ ID NO: 23:
424 (i) SEQUENCE CHARACTERISTICS:
426 (A) LENGTH: 15 base pairs
427 (B) TYPE: nucleic acid

VERIFICATION SUMMARY DATE: 02/07/2002
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L: 45 M: 220 C: Keyword misspelled or invalid format, [(A) APPLICATION NUMBER:]
L: 46 M: 220 C: Keyword misspelled or invalid format, [(B) FILING DATE:]